

**Abstract**

The present invention enables efficient storage and retrieval of signal-strength measurements and geometry-of-arrival measurements for estimating the location of a wireless terminal. A database is populated with signal-strength measurements and geometry-of-arrival measurements for each of a plurality of locations. Subsequent queries to the database enable rapid retrieval of the signal-strength measurements and geometry-of-arrival measurements, and thus enable a computationally-efficient estimate of the location of a wireless terminal based on these measurements. By supplementing signal-strength measurements with geometry-of-arrival measurements, the illustrative embodiment enables a more accurate estimate of location to be made than could be achieved with either the signal-strength measurements or the geometry-of-arrival measurements alone.